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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	6
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Complete if Known

Application Number	10/660,131
Filing Date	September 11, 2003
First Named Inventor	David H. Munn et al.
Art Unit	1647
Examiner Name	Regina M. DeBerry
Attorney Docket Number	M0351-287806

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	4.	WO 1999/29310	06-17-1999	Medical College of Georgia Res (Abstract)		
	5.	WO 2000/66764	11-09-2000	Ludwig Institute for Cancer Research		

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04 ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the usdpte of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 6

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Attorney Docket Number	M0351-287806

NON PATENT LITERATURE DOCUMENTS

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	6	BABAN et al., "A Minor Population of Splenic Dendritic Cells Expressing CD19 Mediates IDO-Dependent T Cell Suppression Via Type 1 IFN Signaling Following B7 Ligation," <i>International Immunology</i> , 2005 <u>17</u> (7): 909-919	
	7	BJORCK et al., "Isolation and characterization of plasmacytoid dendritic cells from Flt3 ligand and granulocyte-macrophage colony-stimulating factor-treated mice" <i>Blood</i> , 2001, <u>98</u> (13): 3520-3526.	
	8	BORRAS et al., "Identification of Both Myeloid CD11c and Lymphoid CD11c Dendritic Cell Subsets in Cord Blood," <i>British Journal of Haematology</i> , 2001, <u>113</u> : 925-931.	
	9	CADY et al., "1-Methyl-DL-tryptophan, beta-(3benzofuranyl)-DL-alanine (the oxygen analog of tryptophan), and beta-3-benzo(b)thienyl-DL-alanine (the sulfur analog of tryptophan) are competitive inhibitors for indoleamine 2,3-dioxygenase," <i>Archives of Biochemistry and Biophysics</i> , 1991, <u>291</u> (2): 326-333 (Abstract)	
	10	CHAPMAN et al., "Pharmacologically active benzo(b)thiophene derivatives. VIII Benzo(b)thiophene analogs of tryptophan and alpha-methyltryptophan, and some of their 5-substituted derivatives," <i>Journal of the Chemical Society, Section C: Organic Chemistry</i> , 1969, No. 14: 1855-1858 (Abstract).	
	11	DAGHER et al., "Pilot Trial of Tumor-Specific Peptide Vaccination and Continuous Infusion Interleukin-2 in Patients with Recurrent Ewing Sarcoma and Alveolar Rhabdomyosarcoma: An Inter-Institute NIH Study," <i>Med. Pediatr. Oncol.</i> , 2002, <u>38</u> : 158-164.	
	12	European Patent Office, Supplementary Partial European Search Report, Application No. EP 02 80 7233, Date of Completion of the Search October 19, 2005, 5 pages.	
	13	FRIBERG et al., "Indoleamine 2,3-Dioxygenase Contributes to Tumor Cell Evasion of T Cell-Mediated Rejection," <i>Int. J. Cancer</i> , 2002, <u>101</u> : 151-155.	
	14	FRIBERG et al., "Indoleamine 2,3-dioxygenase (IDO) protects established tumors from T cell mediated rejection," <i>Proc. Amer. Ass. Cancer Res. Ann. Meet.</i> , 2000, No. 714, page 112 (Abstract).	
	15	FRUMENTO et al., "Inhibition of T cell proliferation by the purified enzyme indoleamine 2,3-dioxygenase," <i>Human Immunology, The European Federation for Immunogenetics 14th Annual Conference, April 4-7, 2000</i> , <u>61</u> : page S140 (Abstract)	
	16	GROHMANN et al., "IFN- γ Inhibits Presentation of a Tumor-Self Peptide by CD8a- Dendritic Cells Via Potentiation of the CD8a+ subset" <i>Journal of Immunology</i> , 2000, <u>165</u> (3): 1357-1363.	
	17	HWU et al., "Indoleamine 2,3-Dioxygenase Production by Human Dendritic Cells Results in the Inhibition of T Cell Proliferation" <i>J. Immunol.</i> , 2000, <u>164</u> : 3596-3599.	
	18	International Search Report for PCT/US02/11319, filed April 12, 2002 mailed September 6, 2002.	

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		<i>Application Number</i>	10/660,131
		<i>Filing Date</i>	September 11, 2003
		<i>First Named Inventor</i>	David H. Munn et al.
		<i>Art Unit</i>	1647
		<i>Examiner Name</i>	Regina M. DeBerry
(Use as many sheets as necessary)		<i>Attorney Docket Number</i>	M0351-287806
Sheet	3	of	6

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	19	LEE et al., "Pattern of Recruitment of Immunoregulatory Antigen-Presenting Cells in Malignant Melanoma," <i>Laboratory Investigation</i> , 2003, <u>83</u> (10): 1457-1466.	
	20	MELLOR et al., "Extinguishing Maternal Immune Responses during Pregnancy: Implications for Immunosuppression," <i>Seminars in Immunology</i> , 2001, <u>13</u> (4): 213-218.	
	21	MELLOR et al., "Tryptophan catabolism and T cell tolerance: immunosuppression by starvation?" <i>Immunology Today</i> , 1999, <u>20</u> : 469-473.	
	22	MELLOR et al., "Tryptophan catabolism prevents maternal T cells from activating lethal anti-fetal immune responses," <i>J. Reprod. Immunol.</i> , 2001, <u>52</u> (1-2): 5-13.	
	23	MELLOR et al., "HLA-G transgenic mice," <i>J. Reprod. Immunol.</i> , 1999, <u>43</u> : 253-261.	
	24	MELLOR et al., "Immunology at the maternal-fetal interface," <i>Ann. Rev. Immunol.</i> , 2000, <u>18</u> : 367-391.	
	25	MELLOR et al., "IDO expression by dendritic cells: tolerance and tryptophan catabolism" <i>Nat. Immunol. Rev.</i> , 2004, <u>4</u> : 762-774.	
	26	MUNN et al., "Ligation of B7-1/B7-2 by Human CD4+ T Cells Triggers Indoleamine 2,3-Dioxygenase Activity in Dendritic Cells," <i>Journal of Immunology</i> , 2004, <u>172</u> : 4100-4110.	
	27	MUNN et al., "Dendritic Cells Have the Option to Express IDO-Mediated Suppression or Not," <i>Blood</i> , 2005, <u>105</u> (6): 2618.	
	28	MUNN et al., "Macrophage inhibition of T cell activation via depletion of tryptophan," <i>Blood</i> , 1998, <u>48-IV</u> , (Abstract).	
	29	MUNN et al., "Potential Regulatory Function of Human Dendritic Cells Expressing Indoleamine 2,3-Dioxygenase," <i>Science</i> , 2002, <u>297</u> : 1867-1870.	
	30	MUNN et al., "Regulation of T cell activation by macrophage (Mvariant phi)-mediated tryptophan (TRP) depletion," <i>FASEB Journal</i> , 1998, <u>12</u> : page A276 (Abstract)	
	31	MUNN et al., "Tolerogenic Antigen-Presenting Cells," <i>Ann. NY. Acad. Sci.</i> , 2002 <u>961</u> : 343-345.	
	32	OSUGI et al., "Myeloid Blood CD11c+ Dendritic Cells and Monocyte-Derived Dendritic Cells Differ in their Ability to Stimulate T Lymphocytes," <i>Blood</i> , 2002, <u>100</u> (8): 2858-2866.	
	33	PACANOWSKI et al., "Reduced blood CD123* (lymphoid) and CD11c* (myeloid) dendritic cell numbers in primary HIV-1 infection" <i>Blood</i> , 2001, <u>98</u> (10): 3016-3021.	

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		<i>Filing Date</i>	September 11, 2003
		<i>First Named Inventor</i>	David H. Munn et al.
		<i>Art Unit</i>	1647
		<i>Examiner Name</i>	Regina M. DeBerry
(Use as many sheets as necessary)		<i>Attorney Docket Number</i>	M0351-287806
Sheet	4	of	6

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	34	PETERSON et al., "Evaluation of functionalized tryptophan derivatives and related compounds as competitive inhibitors of indoleamine 2,3-dioxygenase," <i>Medicinal Chemistry Research</i> , 1994, <u>3</u> (8): 531-544 (Abstract).	
	35	POTULA et al., "Inhibition of Indoleamine 2,3-Dioxygenase (IDO) Enhances Elimination of Virus-Infected Macrophages in an Animal Model of HIV-1 Encephalitis," <i>Blood</i> , 2005, <u>106</u> (7): 2382-2390	
	36	REDDY et al., "A monocyte conditioned medium is more effective than defined cytokines in mediating the terminal maturation of human dendritic cells" <i>Blood</i> , 1997, <u>90</u> (9): 3640-3646.	
	37	ROMANI et al., "Generation of mature dendritic cells from human blood" <i>Immunol. Meth.</i> , 1996, <u>196</u> : 137-151.	
	38	SOUTHAN et al., "Structural requirements of the competitive binding site of recombinant human indoleamine 2,3-dioxygenase," <i>Medicinal Chemistry Research</i> , 1996, <u>3</u> (5): 343-352 (Abstract).	
	39	TAN et al., "Creation of Tolerogenic Human Dendritic Cells via Intracellular CTLA4: A Novel Strategy with Potential in Clinical Immunosuppression," <i>Blood</i> , 2005, <u>106</u> (9): 2936-2943.	
	40	TAN et al., "Modulation of human dendritic cell function following transduction with viral vectors; implications for gene therapy," <i>American Society of Hematology, Blood First Edition Paper</i> , prepublished online January 25, 2005.	
	41	TERNESS et al., "Regulation of Human Auto- and Alloreactive T Cells by Indoleamine 2,3-Dioxygenase (IDO)-Producing Dendritic Cells. Too Much Ado about IDO?" <i>Blood</i> , 2005, <u>105</u> (6): 2480-2486.	
	42	TERNESS et al., "The Immunoregulatory Role of IDO-Producing Dendritic Cells Revisited," <i>Trends in Immunology</i> , 2006, <u>27</u> : 68-73.	
	43	YOSHIDA et al., "Tryptophan Degradation in Transplanted Tumor Cells Undergoing Rejection," <i>Journal of Immunology</i> , 1988, <u>141</u> (8): 2819-2823.	
	44	Office Action mailed 08/13/2007 for U.S. Patent Application Serial No. 10/121,909.	
	45	Response to Non-Final Office Action sent to the USPTO on 05/15/2007 for U.S. Patent Application Serial No. 10/121,909.	
	46	Office Action mailed 11/16/2006 for U.S. Patent Application Serial No. 10/121,909.	
	47	Election and Response sent to the USPTO on 08/24/2006 for U.S. Patent Application Serial No. 10/121,909.	
	48	Office Action (Restriction) mailed 07/13/2006 for U.S. Patent Application Serial No. 10/121,909.	

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Sheet 5 of 6

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	49	Amendment and Response to Office Action Pursuant to 37 C.F.R. § 1.114 (with Request for Continued Examination) sent to the USPTO on 04/20/2006 for U.S. Patent Application Serial No. 10/121,909.	
	50	Advisory Action mailed 04/03/2006 for U.S. Patent Application Serial No. 10/121,909.	
	51	Amendment and Response to Office Action sent to the USPTO on 03/22/2006 U.S. Patent Application Serial No. 10/121,909	
	52	Office Action mailed 12/22/2005 for U.S. Patent Application Serial No. 10/121,909.	
	53	Amendment and Response to Office Action sent to the USPTO on 09/28/2006 for U.S. Patent Application Serial No. 10/121,909	
	54	Office Action mailed 06/28/2005 for U.S. Patent Application Serial No. 10/121,909.	
	55	Election and Response sent to the USPTO on 04/18/2005 for U.S. Patent Application Serial No. 10/121,909.	
	56	Office Action (Restriction) mailed 03/17/2005 for U.S. Patent Application Serial No. 10/121,909.	
	57	Preliminary Amendment sent to the USPTO on 04/12/2002 for U.S. Patent Application Serial No. 10/121,909.	
	58	Australia: First Statement of Proposed Amendments sent to the Australian Patent Office on 11/12/2004 for Australian Patent Application No. 2002307243.	
	59	Australia: Examiner's First Report mailed 07/04/2007 for Australian Patent Application No. 2002307243.	
	60	Australia: Response to Examiner's First Report sent to the Australian Patent Office on 09/14/2007 for Australian Patent Application No. 2002307243.	
	61	Canada: Office Action mailed 05/09/2007 for Canadian Patent Application No. 2,483,451.	
	62	Canada: Response to Office Action sent to the Canadian Patent Office on 10/17/2007 for Canadian Patent Application No. 2,483,451	

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